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PTO/SB/01 (02-01)

Approved for use through 10/31/2002. OMB 0651-0236
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Boris Raudel
Title	Lithium-Ion Battery Electrolytes With Improved Thermal Stability
Group Art Unit	
Examiner Name	
Attorney Docket Number	D-187

I hereby appoint:

Practitioners at Customer Number → Place Customer Number Bar Code Label here

OR

Practitioner(s) named below:

Name	Registration Number
John R. Doherty	19,748

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

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OR

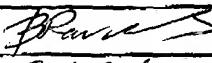
<input checked="" type="checkbox"/> Firm or Individual Name	Attorney John R. Doherty			
Address	P.O. Box 706			
Address				
City	Stevenson	State	CT	Zip 06491-0706
Country	USA			
Telephone	(203) 459-8701	Fax	Same	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/08).

SIGNATURE of Applicant or Assignee of Record

Name	Boris Raudel
Signature	
Date	6/18/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 5 forms are submitted.

Service Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments or the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/19 (02-01)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Boris Ravdel
Title	LITHIUM-ION BATTERY ELECTROLYTES With Improved Thermal Stability
Group Art Unit	
Examiner Name	
Attorney Docket Number	D-187

I hereby appoint:

Practitioners at Customer Number → Place Customer Number Bar Code Label here

OR

Practitioner(s) named below:

Name	Registration Number
John R. Doherty	19,748

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

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OR

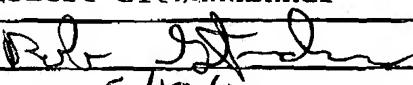
<input checked="" type="checkbox"/> Firm or Individual Name	Attorney John R. Doherty			
Address	P.O. Box 706			
Address				
City	Stevenson	State	CT	Zip 06491-0706
Country	USA			
Telephone	(203) 459-8701	Fax	Same	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).

SIGNATURE of Applicant or Assignee of Record

Name	Robert Gitzendanner
Signature	
Date	6/18/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 5 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Boris Ravdel
Title	Lithium-Ion Battery Electrolytes
Group Art Unit	With Improved Thermal Stability
Examiner Name	
Attorney Docket Number	D-187

I hereby appoint:

 Practitioners at Customer Number

OR

 Practitioner(s) named below:

Name	Registration Number
John R. Doherty	19,748

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

 Practitioners at Customer Number

OR

Place Customer
Number Bar Code
Label here

<input checked="" type="checkbox"/> Firm or Individual Name	Attorney John R. Doherty		
Address	P.O. Box 706		
Address			
City	Stevenson	State	CT
Country	USA	Zip	06491-0706
Telephone	(203) 459-8701	Fax	Same

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).

SIGNATURE of Applicant or Assignee of Record

Name	Brett Lucht
Signature	Brett Lucht
Date	6/18/2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 *Total of 5 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

Approved for use through 10/31/2002, OMB 0651-0035
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POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Boris Ravel
Title	Lithium-Ion Battery Electrolytes with Improved Thermal Stability
Group Art Unit	
Examiner Name	
Attorney Docket Number	D-187

I hereby appoint:

 Practitioners at Customer Number

OR

 Practitioner(s) named below:

Name	Registration Number
John R. Doherty	19,748

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

 Practitioners at Customer NumberPlace Customer
Number Bar Code
Label here

OR

 Firm or
Individual Name

Attorney John R. Doherty

Address

P.O. Box 706

Address

City

Stevenson

State

CT

Zip

06491-0706

Country

USA

Telephone

(203) 459-8701

Fax

Same

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Kuzhikalail M. Abraham

Signature

Date

6/18/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 *Total of 5 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it display a valid OMB control number.**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Boris Ravel
Title	Lithium-ion Battery Electrolytes With Improved Thermal Stability
Group Art Unit	
Examiner Name	
Attorney Docket Number	D-187

I hereby appoint:

 Practitioners at Customer Number OR Practitioner(s) named below:

Name	Registration Number
John R. Doherty	19,748

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

 Practitioners at Customer Number → Place Customer Number Bar Code Label here

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Attorney John R. Doherty			
Address	P.O. Box 706			
Address				
City	Stevenson	State	CT	Zip 06491-0706
Country	USA			
Telephone	(203) 459-8701	Fax	Same	

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).**SIGNATURE of Applicant or Assignee of Record**Name JANICE T. DONOVANSignature Janice T. DonovanDate 6/18/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 *Total of 5 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/06 (04-03)

Approved for use through 04/30/2003. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Boris Ravel et al.

Application No./Patent No.: _____ Filed/Issue Date: _____

Entitled: Lithium-ion Battery Electrolytes With Improved Thermal StabilityYardney Technical Products, a Inc. Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

A. An assignment from the Inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the Inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

JANICE T. DONOVAN

Typed or printed name

Janice T. Donovan

Signature

J. Donovan

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/01 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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DESIGN
PATENT APPLICATION
(37 CFR 1.63)

Declaration Submitted with Initial Filing OR Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	D-187
First Named Inventor	Boris Ravdel
COMPLETE IF KNOWN	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As a below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint Inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LITHIUM-ION BATTERY ELECTROLYTES WITH IMPROVED
THERMAL STABILITY

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
None			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

X X X X X X X

Page 1-3

Burden Hour Statement: This form is estimated to take 71 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

D-187

Please type a plus sign (+) inside this box → PTO/SB/028 (3-27)
Approved for use through 03-04. GOMB 0451-003.Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information which contains
valid MB control number.**DECLARATION -- Supplemental Priority Data Sheet****Additional foreign applications:**

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional provisional applications:

Application Number	Filing Date (MM/DD/YYYY)
60/390,318	06/20/2002

Additional U.S. applications:

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

Audited Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. An estimate on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20331. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20331.



PTO/SB/01 (03-01)

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number _____
 or Bar Code Label _____ OR Correspondence address below

Attorney John R. Doherty

Name

Address P.O. Box 706

City Monroe	State CT	ZIP 06491-0706
Country USA	Telephone (203) 459-8701	Fax Same

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Boris	Family Name or Surname	Ravdel
---	-------	---------------------------	--------

Inventor's Signature		Date	6/18/03
-------------------------	---	------	---------

Residence: City New London	State CT	Country USA	USA Citizenship
----------------------------	----------	-------------	--------------------

Mailing Address 11 Anthony Road, Apartment D

City New London	State CT	ZIP 06320	Country
-----------------	----------	-----------	---------

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Robert	Family Name or Surname	Gitzendanner
---	--------	---------------------------	--------------

Inventor's Signature		Date	6/18/03
-------------------------	--	------	---------

Residence: City Westerly	State RI	Country USA	USA Citizenship
--------------------------	----------	-------------	--------------------

Mailing Address 58 Narragansett Ave.

City Westerly	State RI	ZIP	USA Country
---------------	----------	-----	----------------

Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PTO/SB/02A (05-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental SheetPage 3 of _____

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname			
Brett		Lucht			
Inventor's Signature	<i>Brett Lucht</i>			Date <u>6/18/2003</u>	
Residence: City	Wakefield	State	RI	Country	USA
Mailing Address	145 Legend Rock Road				
Mailing Address	Wakefield	State	RI	Zip	USA
Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))		Family Name or Surname			
Kuzhikalail M.		Abraham			
Inventor's Signature	<i>Kuzhikalail M. Abraham</i>			Date: <u>6/18/03</u>	
Residence: City	Needham	State	MA	Country	USA
Mailing Address	57 Colonial Road				
Mailing Address	Needham	State	MA	Zip	02492
Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))		Family Name or Surname			
Inventor's Signature	Date				
Residence: City	State	Country		Citizenship	
Mailing Address					
Mailing Address	State	Zip	Country		
City					

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.